

Surface-smoothing non-porous silica

# NONPOROUS SILICA OC

NONPOROUS SILICA OC is a high-performance powder raw material made from silica (silicon dioxide), an abundant constituent of the earth's crust, which accounts for about 60% of the earth's surface. It has no pores and a very smooth surface structure, which gives it a moist feeling like organic beads without any stickiness. It is ideal for formulations that require a "plastic powder-free" feel.

## Composition

INCI : SILICA  
CAS No. : 60676-86-0

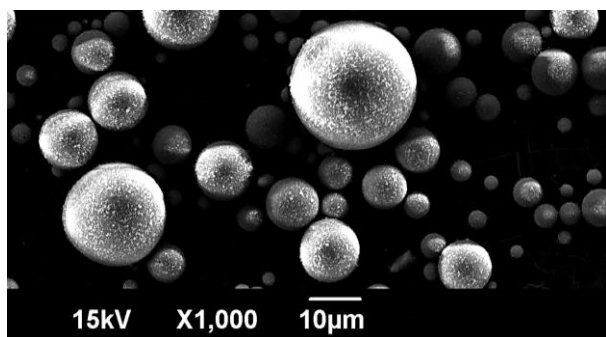
## Physical properties

Density : 2.1~2.3 g/cm<sup>3</sup>  
particle size : 12~13 μm (D50)  
Oil Absorption : 15~18 mL/100g

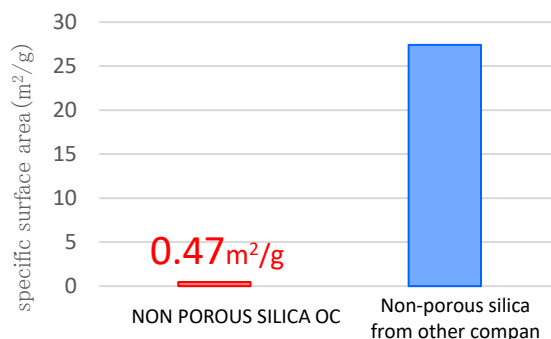
## Features

- Due to its extremely small specific surface area, it does not absorb oil, and thus provides a moist texture.
- It provides a natural finish with transparency.
- Excellent gliding property provides a smooth feel with no sticking.

### 【 Particle shape (SEM image) 】



### 【 Specific surface area 】



### 【 Frequency of appearance of nanoparticles before and after physical loading (%) 】

|                                     | Particle size [μm] |      |      |     |         |         |
|-------------------------------------|--------------------|------|------|-----|---------|---------|
|                                     | 0.01               | 0.04 | 0.07 | 0.1 | 0.2     | 0.3     |
| Before physical loading             | 0                  | 0    | 0    | 0   | 0.00967 | 0.01219 |
| After physical loading Mixer (1min) | 0                  | 0    | 0    | 0   | 0.00781 | 0.00818 |
| After physical load Press (20Mpa)   | 0                  | 0    | 0    | 0   | 0.00688 | 0.00763 |

## Material information

| Product name        | INCI Name | Chinese INCI Name | Packing |
|---------------------|-----------|-------------------|---------|
| NONPOROUS SILICA OC | SILICA    | 硅石                | 25kg    |



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